



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#10

In Re U.S. Patent Application

Applicant: Abarra et al.

Serial No.: 09/425,788

Filed: October 22, 1999

For: MAGNETIC RECORDING MEDIUM  
AND MAGNETIC STORAGE  
APPARATUS

Art Unit: 1773

Examiner: Rickman, H.

) I hereby certify that this paper is being deposited with  
the United States Postal Service as first-class mail in an  
envelope addressed to: Assistant Commissioner for  
Patents, Washington, D.C. 20231, on this date.

1/29/2002  
Date

F CLASS.WCM

*James K. Tolka*  
Registration No. 37,538  
Attorney for Applicant

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FEB 05 2002  
TC 1700

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants through  
counsel herewith submit copies of the publications as set forth in the attached form PTO-  
1449 as follows:

U.S. PATENTS

<u>PATENT NO.</u>	<u>PATENTEE</u>	<u>ISSUE DATE</u>
4,789,598	Howard et al.	Dec. 6, 1988
5,408,377	Gurney et al.	Apr. 18, 1995

02/04/2002 ADSTHAN1 00000031 09425788  
01 FT:126  
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5,462,796	Teng et al.	Oct. 31, 1995
5,465,185	Heim et al.	Nov. 7, 1995
5,523,173	Doerner et al.	Jun. 4, 1996
6,013,365	Dieny et al.	Jan. 11, 2000

### OTHER DOCUMENTS

Lambert et al., "Reduction of Media Noise in Thin Film Metal Media by Lamination," IEEE Transactions on Magnetics, Vol. 26, No. 5, September 1990, pgs. 2706-2708.

Murdock et al., "Noise Properties of Multilayered Co-Alloy Magnetic Recording Media," IEEE Transactions on Magnetics, Vol. 26, No. 5, September 1990, pgs. 2700-2705.

Murayama et al., "Interlayer Exchange Coupling in Co/Cr/Co Double-Layered Recording Films Studied by Spin-Wave Brillouin Scattering," IEEE Transactions on Magnetics, Vol. 27, No. 6, November 1991, pgs. 5064-5066.

Lambert et al., "Laminated Media for High Density Recording," IEEE Transactions on Magnetics, Vol. 29, No. 1, January 1993, pgs. 223-229.

Teng et al., "Flash Chromium Interlayer for High Performance Disks with Superior Noise and Coercivity Squareness," IEEE Transactions on Magnetics (1993), pgs. 3679-3681.

Parkin et al., "Oscillations in Exchange Coupling and Magnetoresistance in Metallic Superlattice Structures: Co/Ru, Co/Cr, and Fe/Cr," Physical Review Letters, Vol. 64, No. 19, May 7, 1990, pgs. 2304-2307.

### REMARKS

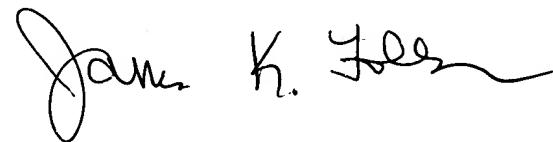
Applicants respectfully request that the Examiner consider the above-listed references in the examination of this application and list these references of record in the application. Applicants respectfully submit that the citation of the above-listed references does not constitute an admission that these references qualify as prior art.

Enclosed herewith is a check in the amount of \$180.00 to cover the fee set forth  
in 37 C.F.R. §1.17(p).

Respectfully submitted

GREER, BURNS & CRAIN, LTD.

By



James K. Folker  
Registration No. 37,538

January 8, 2002

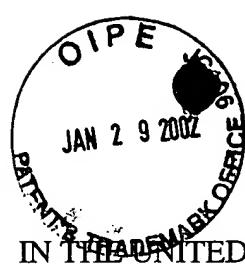
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1/8/2002

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F-CLASS.WCM

Appl. February 20, 1998

Jan K. Folker

Registration No. 37,538

Attorney for Applicant

TRANSMITTAL

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

- (X) Enclosed is an IDS, PTO Form 1449 (with check for \$180.00), and copies of cited references to be filed in the above-referenced application.
- (X) If a Petition under 37 C.F.R. §1.136(a) for an extension of time for response is required to make the attached response timely and does not separately accompany this transmittal, Applicant(s) hereby petition(s) under 37 C.F.R. §1.136(a) for an extension of time for response in the above-identified application for the period required to make the attached response timely.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

GREER, BURNS &amp; CRAIN, LTD.

By

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January 8, 2002

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